Systems Analysis of the Impact of Act 148 on Solid Waste Management in Vermont

Final Report

Prepared for:

Vermont Agency of Natural Resources

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Prepared by:



Environmental Scientists





TABLE 46. COSTS OF THE CURRENT BOTTLE BILL AND ESTIMATED COSTS OF EXPANDED BOTTLE BILL

Parties and Cost/Revenue Components	Cost Per Container (\$)	BOTTLE BILL		EXPANDED BOTTLE BILL	
		# Containers	Total Cost (\$)	# Containers	Total Cost (\$)
State Administrative Costs			(\$21,500)		(\$150,000)
Distributors					
Deposits collected	0.05	270,382,907	\$13,519,145	383, 230, 704	\$19,161,535
Deposits redeemed	0.05	241,948,783	(\$12,097,439)	324,966,302	(\$16,248,315)
Deposits collected, wine	0.15			9,846,154	\$1,476,923
Deposits redeemed, wine	0.15			7,384,616	(\$1,107,692)
Handling fees paid out			(
Commingled	0.035	183,881,075	(\$6,435,838)	217,628,096	(\$7,616,983)
Sorted	0.04	58,067,708	(\$2,322,708)	117,184,360	(\$4,687,374
Collection costs (third party & own	0.015	241,948,783	(\$3,629,232)	334,812,456	(\$6,026,624
Materials revenue received			Marie Control		
Aluminum		146,174,028	\$3,750,899	153,765,729	\$5,564,228
Plastics		35,946,008	\$789,228	107,765,988	\$1,872,642
Glass		59,809,251	\$332,129	70,540,336	\$293,790
Liquor Glass				7,384,616	\$110,833
Sub-Total, Distributors			(\$6,093,816)		(\$7,317,871)
Vermont Liquor Control					
Deposits collected	0.150	3,745,035	\$561,755	3,745,035	\$561,759
Deposits paid out	0.150	2,860,458	(\$429,069)	2,860,458	(\$429,069
Collection Cost	0.078	2,860,458	(\$223,116)	2,860,458	(\$223,116
Handling fees paid out	0.035	2,860,458	(\$100,116)	2,860,458	(\$100,116
Materials revenue received	0.000				
Sub-Total, VLC			(\$190,545)		(\$190,545
Retailers/Redemption Centers					
RVM costs	0.034	24,194,878	(\$822,626)	48,744,945	(\$1,657,328
Manual costs	0.038	217,753,905	(\$8,239,953)	283,605,972	(\$10,647,030
Handling fees received	0.036	241,948,783	\$8,758,546	332,350,917	\$12,304,35
Sub-Total, Retailers			(\$304,033)		\$0
Consumers					and the second s
Deposit paid	0.05	270,382,907	(\$13,519,145)	383, 230, 704	(\$19,161,535
Deposits received	0.05		\$12,097,439		\$16,248,31
Liquor deposits paid	0.15		(\$561,755)		(\$2,038,678
Liquor deposits received	0.15		\$429,069		\$1,536,76
Sub-Total, Consumers			(\$1,554,393)		(\$3,415,137
Total :			(\$8,164,287)	MARKET SERVICE	(\$11,073,553
Additional Cost to Consumers					
Separate trips to redeem	0.014	244,809,241	(\$3,448,633)	335,211,375	(\$4,722,130
Total:	PAR US		(\$11,612,920)		(\$15,795,683

⁽¹⁾ Under "Consumers", Special trips to redeem were counted for bottle redeemers that answered "yes" to the question "Is this a special trip to redeem bottles and cans, or are you combining it with another errand?" or no to the question "If you weren't returning containers today, would you have taken this trip?"

quality is very good. As such the bale price differential has been dropped to 5 cents per pound from 10 cents per pound to reflect the relatively high quality of the material produced at the Rutland and Chittenden MRF's.

108 In both cases the value of the glass represents glass FOB the glass beneficiation plant.